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LIST OF SYMBOLS

Re	-	Reynolds number
Pr	-	Prandtl number
Nu	-	Dimensionless coefficient of heat transfer
$\dot{m}$	-	Mass flow rate
G	-	Mass flux
S	-	Flow surface
N_p	-	Tube pass
N_t	-	Tube numbers
L	-	Length
D	-	Diameter
Q	-	Heat load
w	-	Per unit mass work
$\dot{w}$	-	Power
W	-	Work
COP	-	Coefficient of performance
q”	-	Heat flux of per unit surface
R	-	Heat resistance

R”	-	Heat resistance per unit surface
U	-	Total heat transfer coefficient
e	-	Error
h	-	Enthalpy
μ	-	Viscosity
ρ	-	Density
v	-	Specific volume
K	-	Conduction heat transfer coefficient
T	-	Temperature
X	-	Concentration
P	-	Pressure
α	-	Convection heat transfer coefficient
x	-	Vapor quality
L_{bb}	-	Baffle spacing
P_T	-	Pitch
θ_T	-	Tube angle
BC	-	Cuts of baffle
f	-	Coefficient of friction
LMTD	-	Logarithmic mean temperature difference
F	-	Coefficient of correction for LMTD
δ_r	-	Characteristic thickness of falling film
D_e	-	Equivalent diameter
σ	-	Surface tension
A	-	Required heat transfer surface
$A_{p,o}$	-	External surface of the tube per unit length

$A_{p,i}$ - Inner surface of the tube per unit length

L_{eff} - Effective length